

Claims

1. A water purifying apparatus for purifying water sent to a faucet, comprising a main body, an ultraviolet light generator, and a control unit, wherein said main body is
5 equipped with a passage allowing water to pass, the ultraviolet light generator is arranged so as to be capable of providing ultraviolet rays within the passage, and the control unit causes ultraviolet rays to be emitted from the ultraviolet light generator at the time of using the faucet.
2. The water purifying apparatus as disclosed in claim 1, further comprising detection
10 means for outputting a detection signal detecting whether or not the faucet is in a used state to the control unit.
3. The water purifying apparatus as disclosed in claim 2, wherein the detection means comprises a moveable member capable of moving in accordance with the flow of the water and a detector for detecting movement of the moveable member.
- 15 4. The purifying apparatus as disclosed in claim 2, wherein the detection means is equipped with a proximity sensor for detecting proximity of a user.
5. The purifying apparatus as disclosed in claim 2, wherein the detection means is equipped with a water pressure detector for detecting water pressure of the water.
6. The purifying apparatus as disclosed in claim 4, wherein the detection means is
20 equipped with a water pressure detector for detecting water pressure of the water.
7. The water purifying apparatus as disclosed in claim 1, wherein the passage has a curving part, and the ultraviolet light generator is arranged in the vicinity of the curving part.
8. The water purifying apparatus of claim 7, wherein a gap constituting part of the
25 passage for the water is formed surrounding the ultraviolet light generator in the vicinity of the curving part.

9. A water purifying apparatus comprising a main body and an ultraviolet light generator, wherein the main body is equipped with a passage allowing water to pass, the ultraviolet light generator is arranged so as to be capable of providing ultraviolet rays within the passage, the passage has a curving part, and the ultraviolet light generator is arranged in the vicinity of the curving part.

10. The water purifying apparatus of claim 9, wherein a gap constituting part of the passage for the water is formed surrounding the ultraviolet light generator in the vicinity of the curving part.

11. The water purifying apparatus as disclosed in claim 10, wherein the passage going downstream from the gap narrows midway.

12. The water purifying apparatus as disclosed in claim 1, wherein the ultraviolet light generator is equipped with an ultraviolet lamp.

13. The water purifying apparatus as disclosed in claim 12, further comprising a display unit for displaying a lit state and/or change period for the ultraviolet lamp.

14. The water purifying apparatus as disclosed in claim 13, wherein the control unit is equipped with a wireless transmitter, the display unit is equipped with a receiver, and as a result, it is possible to control operation of the display unit using a wireless signal from the control unit.

15. The water purifying apparatus as disclosed in claim 12, wherein the ultraviolet lamp is a filament-type ultraviolet lamp.

16. The water purifying apparatus as disclosed in claim 1, wherein a portion at the inner surface of the passage and facing the ultraviolet generator constitutes a reflecting surface reflecting the ultraviolet rays.

17. The water purifying apparatus as disclosed in claim 9, wherein a portion at the inner surface of the passage and facing the ultraviolet generator constitutes a reflecting surface reflecting the ultraviolet rays.

18. The water purifying apparatus as disclosed in claim 10, wherein the main body is equipped with a pipe connected to the gap and constituting part of the passage, the pipe is equipped with an extending part extending in the direction of the gap between the ultraviolet light generator and the inner surface of the passage, and the extending part
5 sends the water in the direction of the gap between the ultraviolet light generator and the inner surface of the passage.